Please cancel the entirety of the Abstract and replace it with the following Abstract:

ABSTRACT

A method for a production monitor controller used in a finishing system wherein the controller uses information concerning the constraints of devices within the system to break the job into job segments wherein each job segment conforms to the constraints of the devices operating on the job segment. A method for creating a job model comprised of a hierarchy of nodes that together describe the job and each of its components. Elements of the of the production monitor controller.